

ABSTRACT

To provide a new method for efficiently producing theanine, by which theanine is simply and industrially advantageously produced.

5 *Pseudomonas citronellosis* GEA, which is newly separated /
selected from natural soil, belongs to the genus, *Pseudomonas*,
and the species *citronellosis* and is theanine producing bacteria
with activities of transferring γ -glutamyl group. Theanine is
extremely efficiently produced by using glutaminase derived from
10 the bacteria in a mixture of glutamine and ethylamine at pH 9-12
in comparison with a conventional method.